

REMARKS

Applicants respectfully request entry and consideration of the amendments and remarks made herein prior to the examination of the above-captioned application. Applicants additionally request entry prior to examination of the new Sequence Listing provided herewith.

1. Replacement Sequence Listing

The Sequence Listing has been replaced to correct the errant inclusion of a single nucleotide base in SEQ ID NO:1 at base number 51. Correction of the error is not new matter because the proper sequence for SEQ ID NO:1 was correctly presented in priority patent application document United Kingdom 9828660.2, filed December 24, 1998, and was deposited within the construct JP58 under the Budapest Treaty on the International Recognition of the Deposit of Micro-Organisms for the Purposes of Patent Procedure at the National Collection of Industrial and Marine Bacteria, 23 St. Machar Street, Aberdeen, Scotland on December 21, 1998, under accession number NCIMB 40997. The deposited organism contains a 2 kb BamHI fragment encoding the ohpA-ohpR region (nucleotides 1-1869 of SEQ ID NO:1) cloned into pUC19 using the unique BamHI site. Therefore, the sequence base numbers 1-1869 were correctly recorded in the organism having accession number NCIMB 40997 and deposited on December 21, 1998 and did not contain an extra “G” nucleotide at position 51.

2. Amendments to the Specification

The specification has been amended to correct obvious errors that are readily apparent to one skilled in the art.

In the Introduction, the term “involving” has been added to improve the sentence.

The sequence identifiers in the description of Figures 27 and 28 have been corrected to identify SEQ ID NO:1. The description of Figures 27 and 28 were previously corrected in the Second Preliminary Amendment of April 9, 2004, but a mistake was made in the corrections: in Figure 27, SEQ ID NO: 13 had been replaced

with SEQ ID NO: 19 and, in Figure 28, SEQ ID NO:1 had been replaced with SEQ ID NO: 19.

Further, this Amendment corrects the changes to the paragraphs at page 21, line 4, page 22, line 4 and page 22, line 22 to accurately reference Figs. 5, 6 and 7 according to the original disclosure and amended Figures 5, 6 and 7. The current amendment of these paragraphs should supersede the incorrect amendments of the Second Preliminary Amendment. Support for these amendments can be found in the description of Figures 7 and 8, on page 8 and in Example 10 starting on page 22 of the application.

The improperly spelled term “bezene” has been replaced with “benzene” at page 17 (paragraph starting at line 33). In Example 4, the incorrectly typed “pBS52040” has been changed to “pSK52040” at page 20 (paragraph starting at line 32). In Example 14, at page 24 (paragraph starting at line 30) the term “the” was changed to “then” to improve the sentence. In Example 15, at page 25 (paragraph starting at line 9) the term “was” was changed to “were” to provide proper verb tense.

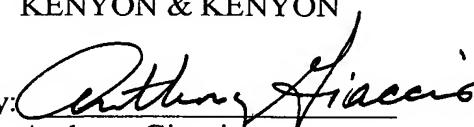
3. Amendments to the Drawings

In the Figures, the labels of Figures 5, 6 and 7 have been amended so that the illustrations of the figures properly corresponds with the description of figures in the specification as originally filed. Replacement sheets 5, 6 and 7 are attached herewith wherein the labels of the figures have been changed to correspond to the description of Figures 5, 6 and 7 in the specification. Support for these amendments may be found in the illustrations of Figures 5, 6 and 7 and in the specification, particularly at page 8, lines 4-14, page 20, lines 32-35, page 21, lines 1-21, and page 22, lines 1-25.

Prompt consideration and allowance of this application is respectfully
requested.

Respectfully submitted,
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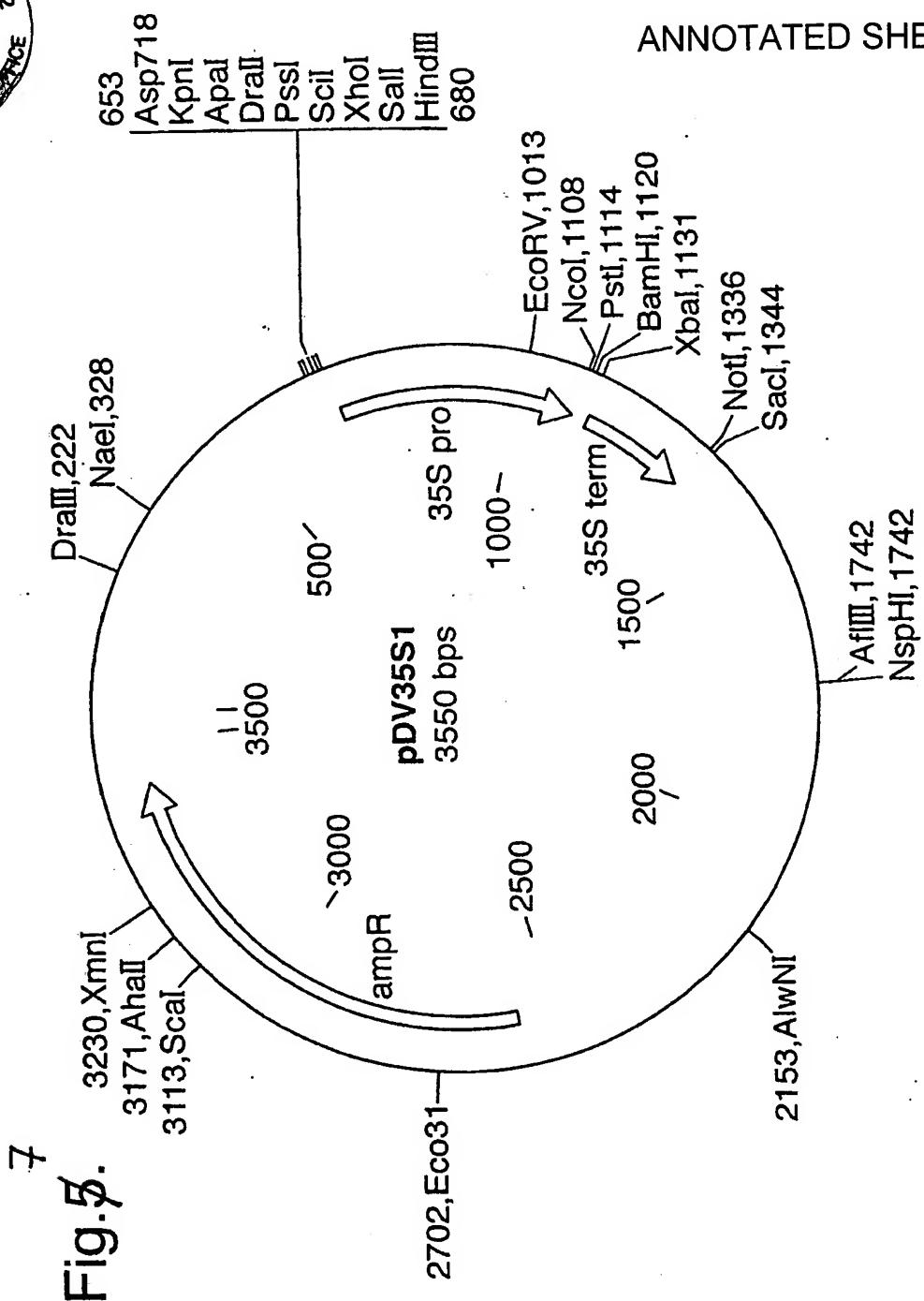
Amendments to Drawings:

The attached sheets of drawings (sheets 5, 6 and 7) include changes to the respective labels, "Fig. 5," Fig. 6" and "Fig. 7." Please replace original sheets 5, 6 and 7 (labeled Figs. 5, 6, and 7) with attached sheets 5, 6 and 7 (labeled Figs. 7, 5, and 6). These amendments correct the identification of the original Figs. 5, 6 and 7. Attached with the replacement sheets of Fig. 7, Fig. 5 and Fig. 6, are also annotated sheets showing the changes.

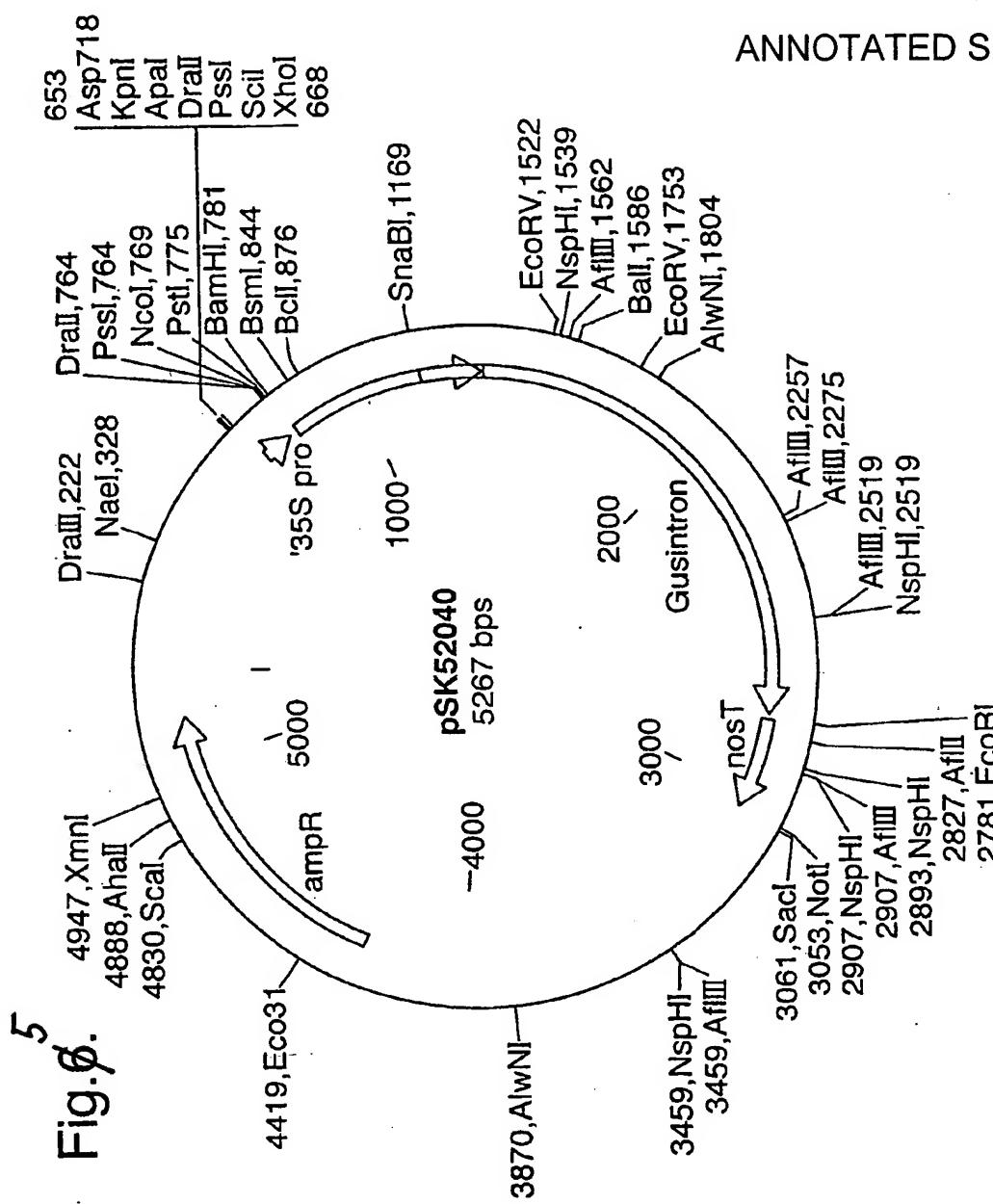
Attachment: Replacement Figs. 5, 6 and 7
 Annotated Sheets 5 of 28, 6 of 28 and 7 of 28 Showing Changes



ANNOTATED SHEET



ANNOTATED SHEET



ANNOTATED SHEET

